

Marine Paint Manual

Reference No. : 13 - 04 LF

Issue Date: July 2019 (ES)

ECOLOFLEX SPC 200

A hydrolytic self polishing antifouling which contains special silyl acrylate copolymer based on our patented technology. Using a patented water trapping function with unique hydrogel technology, it lowers the hydrodynamic footprint of hull. The combination of clean hull, accurate and predictable low friction and the unique water trapping function gives low friction effect, lowering the ship's surface friction leading to fuel and CO₂ emission savings. It can be applied over existing antifouling.

| | | | | | | | |
|--|--|----------------------------------|--------------------|------------|--------|------------|--------|
| Suitable Use | For general ocean-going vessels | | | | | | |
| Type | Cuprous oxide / Special silyl acrylate copolymer (Tin-free / Self-polishing / Hydrolysis / High Solid) | | | | | | |
| Color | Brown LF, Light Brown LF | | | | | | |
| Gloss | Semi-gloss | | | | | | |
| Volume Solids | 62 ± 2% (ISO3233:1998) | | | | | | |
| Typical Dry Film Thickness | 65 ~ 150 μm | | | | | | |
| Approx. Wet Film Thickness | 105 ~ 242 μm | | | | | | |
| Theoretical Coverage | 6.21 m²/ L (100 μm) | | | | | | |
| Drying Time | Surface Dry | 1 hour | (5°C) | 40 minutes | (20°C) | 30 minutes | (30°C) |
| | Dry Hard | 3 hours | (5°C) | 1 hour | (20°C) | 40 minutes | (30°C) |
| Interval before Overcoating (by self) | Min. | 6 hours | (5°C) | 4 hours | (20°C) | 3 hours | (30°C) |
| | Max. | — | (5°C) | — | (20°C) | — | (30°C) |
| Interval before Immersion (100 μm) | Min. | 18 hours | (5°C) | 12 hours | (20°C) | 10 hours | (30°C) |
| | ※See Note (4). | | | | | | |
| Thinner | NIPPON MARINE THINNER 300 (0 ~ 5%, by volume) | | | | | | |
| Application Method | Airless Spray | Tip range | 0.69 ~ 0.84 mm | | | | |
| | | Fan angle | 62 ~ 75° | | | | |
| | | Output pressure | above 150 kg / cm² | | | | |
| | Brush / Roller | For touching up small areas only | | | | | |
| Packaging | Single Pack | | | | | | |
| Japan Local Brand | ECOLOFLEX SPC 200 | | | | | | |
| Flash Point | 24 °C | | | | | | |
| | 【Product produced and supplied in China】 28 °C | | | | | | |
| Surface Preparation | All surfaces to be coated should be clean, dry and free from contamination. High pressure fresh water wash and remove all oil / grease, soluble contaminants and other foreign matters. | | | | | | |

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Safety

Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.)
Proper ventilation and protective measures must be provided during applications and drying period to keep solvent vapor concentrations within safe limits.
Prior to use, obtain, consult and follow the SDS for this product concerning health and safety information.

<Note>

- 1) The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.
- 2) Use NIPPON MARINE THINNER 300 to wash painting appliances, hoses and guns before and after use.
- 3) The declaration letter of Tin-free Antifouling Paint would not be issued if mixed with the other antifouling paints product or another chemical products.
- 4) Interval before immersion is related to ambient conditions, ventilation, film thickness, and number of coats and will be affected correspondingly. Contact us for actual application.
- 5) For availability of product consult Nippon Paint Marine representatives.
- 6) Unit size and filled volumes can vary due to local regulations.
- 7) Store the paints in paint store.